

**CLAIMS**

1. Use of a clotting preventing agent in the production of a drug for administration in connection with transplantation of insulin producing cells in the form of isolated islets to patients with insulin dependent diabetes mellitus, IDDM.
2. Use according to claim 1, wherein the preventing agent is an anticoagulant.
3. Use according to claim 2, wherein the anticoagulant is heparin or fractions or derivatives thereof.
4. Use according to claim 3, wherein islet cells are coated with heparin or fractions or derivatives thereof by preincubation of islets in a solution containing heparin or fractions or derivatives thereof.
5. Use according to claim 1, wherein the preventing agent is an inhibitor of platelet activation.
6. Use according to claim 5, wherein the preventing agent is a RGD containing peptide or a monoclonal antibody which inhibits the interaction of platelet integrins with their specific ligands
7. Use according to claim 5, wherein the preventing agent is a monoclonal antibody or a peptide directed against the Fc receptor on platelets.
8. Use according to any of the above claims, wherein more than one preventing agent is used.
9. Use according to any of the above claims, wherein the preventing agent(s) is/are supplemented by an inhibitor of complement.

10. Isolated cells comprising islets of Langerhans, characterized by being coated with a heparin conjugate on the islet surface.

11. A method for increasing survival of islet cells in connection with transplantation of insulin producing cells to patients with insulin dependent diabetes mellitus, IDDM, comprising prevention of clotting, monitored as reduced generation of thrombin-antithrombin complex.

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